ABSTRACT OF THE DISCLOSURE

This invention provides compounds of formula I:

$$(R^{1})_{a}$$
 Ar^{1} E $(R^{2})_{b}$ Ar^{2} $(R^{3})_{c}$ R^{4} R^{5} R^{7} OH R^{6} I

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wherein R¹, R², R³, R⁴, R⁵, R⁶, R⁷, Ar¹, Ar², E, a, b, c and z are as defined in the specification, or a pharmaceutically acceptable salt or solvate or stereoisomer thereof. The compounds of this invention possess both β_2 adrenergic receptor agonist and muscarinic receptor antagonist activity and therefore, such compounds are useful for treating pulmonary disorders, such as chronic obstructive pulmonary disease and asthma.